

the program realizing, on a computer, a function capable of predicting novel biological functional and/or binding activity of desired protein, amino acid sequence, or nucleotide sequence.

14. (Amended) A binding mode of at least two kinds of arbitrary proteins (or amino acid sequences, nucleotide sequences), which is predicted by the method according to claim 1.

15. (Amended) An application of biological functional activity of an arbitrary protein or nucleotide sequence predicted by the method according to claim 1, the activity being employed for at least one selected from a pesticide as a therapeutic agent, a medicament as a therapeutic agent, prevention of a hereditary disease, diagnosis of a hereditary disease, prevention of a pestilence, and diagnosis of a pestilence.

REMARKS

The claims have been amended to eliminate multiple dependency and to improve their format. None of these amendments is believed to involve any new matter. Accordingly, it is respectfully requested that the foregoing amendments be entered, that the application as so amended receive an examination on the merits, and that the claims as now presented receive an early allowance.

Respectfully submitted,



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